

# The United States of America



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## The Commissioner of Patents and Trademarks

*Has received an application for a patent for a new and useful invention. The title and description of the invention are enclosed. The requirements of law have been complied with, and it has been determined that a patent on the invention shall be granted under the law.*

*Therefore, this*

### United States Patent

*Grants to the person(s) having title to this patent the right to exclude others from making, using, offering for sale, or selling the invention throughout the United States of America or importing the invention into the United States of America for the term set forth below, subject to the payment of maintenance fees as provided by law.*

*If this application was filed prior to June 8, 1995, the term of this patent is the longer of seventeen years from the date of grant of this patent or twenty years from the earliest effective U.S. filing date of the application, subject to any statutory extension.*

*If this application was filed on or after June 8, 1995, the term of this patent is twenty years from the U.S. filing date, subject to any statutory extension. If the application contains a specific reference to an earlier filed application or applications under 35 U.S.C. 120, 121 or 365(c), the term of the patent is twenty years from the date on which* **ECCENT.003A<sup>5</sup>**  
*subject to any* **EAS|RNN**

*J. Todd*

Acting Commissioner

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ORANGE COUNTY, DOCKETING

FEB 04 2003

KNOBBE, MARTENS, OLSON & BEAR, LLP

*Ellie M. Person*  
Attest



US005890128A

## United States Patent [19]

Diaz et al.

[11] Patent Number: 5,890,128

[45] Date of Patent: Mar. 30, 1999

## [54] PERSONALIZED HAND HELD CALORIE COMPUTER (ECC)

[76] Inventors: H. Benjamin Diaz; M. Inez Genera.  
both of P. O. Box 294, Brea, Calif.  
92622

[21] Appl. No.: 610,380

[22] Filed: Mar. 4, 1996

[51] Int. Cl.<sup>6</sup> ..... G06F 17/00[52] U.S. Cl. .... 705/2; 128/921; 364/400;  
364/700[58] Field of Search ..... 128/921; 364/400,  
364/700, 709.03, 709.12; 705/2

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## U.S. PATENT DOCUMENTS

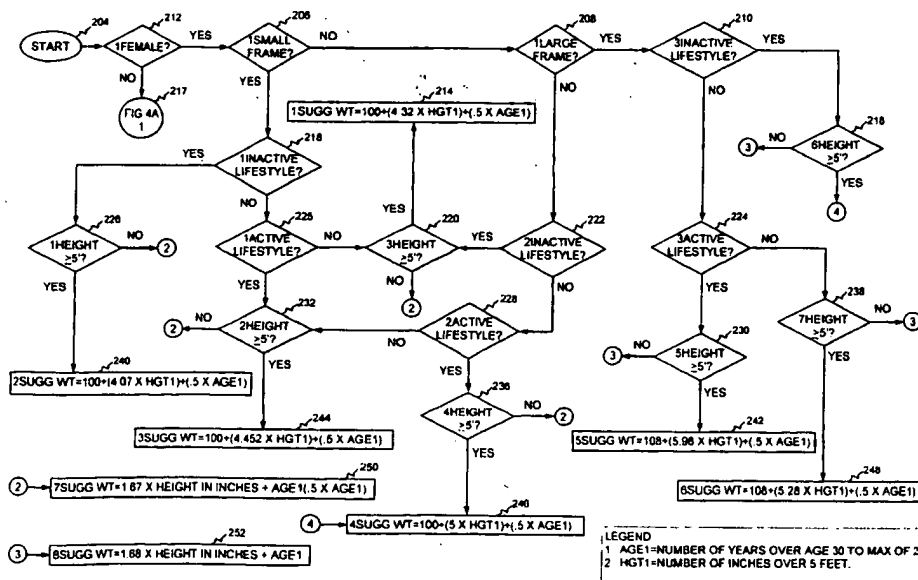
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Primary Examiner—Edward R. Cosimano

## [57] ABSTRACT

A novel hand held individually customized interactive integrated circuit device for nutrition and exercise management. Featuring built in Random Access Memory (RAM) Storage of extensive food lists with associated caloric and fat contents. The device also incorporates RAM storage of exercises with associated activity caloric values or rates. The basic unit utilizes the individual's personal characteristics such as sex, age, weight, height, frame size, life style and goals with programmed calculations to derive optimum suggested weight, metabolic rate, daily caloric/fat intake targets, exercise targets and exercise/daily caloric burning rates. The personalized hand held calorie computer tracks daily and historical individual caloric input/output, fat input, and weight which can be viewed in the form of charts and graphs. Alarms are provided in a variety of tones, sounds, and tunes which alert the individual to breach of prescribed optimum daily caloric/fat intake or signal special events such as times for medication, special eating intervals, and appointments. Additionally, it can be used with optional wireless activity sensing and odometer attachments already available in the market to automatically track/deduct burned calories from total daily caloric intake when walking, running, riding a bicycle, or performing other activities. The device is intended for use by individuals interested in increasing, decreasing or maintaining their body weight for personal or medical reasons. Optional medical programs take into consideration special dieting, medication and exercise requirements of patients with diabetes, high cholesterol, heart ailments, hypoglycemia and other diseases. Confidentiality is assured by use of a Personal Identification Number (PIN) which is selected and changed at will by the individual user. The device will be available in various languages. Other functions include a four function calculator and a clock/calendar.

15 Claims, 17 Drawing Sheets





PATENT

Case Docket No. ECCENT.003RA

Date: February 27, 2003

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants : Diaz et al.  
Appl. No. : 09/821,371  
Filed : March 29, 2001  
For : PERSONALIZED HAND HELD  
CALORIE COMPUTER  
Examiner : Cosimano, Edward R.  
Group Art Unit : 3629

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) Arlington, VA 22202, on

February 27, 2003

(Date)

*Rabinder N. Narula*

Rabinder N. Narula, Reg. No. P-53,371

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TRANSMITTAL LETTER

United States Patent and Trademark Office  
P.O. Box 2327  
Arlington, VA 22202

Dear Sir:

Enclosed for filing in the above-identified application are:

- (X) Response and original patent number 5,890,128.
- (X) The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment, to Account No. 11-1410.
- (X) Return prepaid postcard.

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